

Abstract

A method of producing high molecular weight stereoregular head, tail-poly(alkylene D-glucaramides) is described. Amidoamino acids are esterified in cold alcohol and then polymerized in a protic solvent to form stereoregular prepolymers. The prepolymers are then further polymerized by dissolving them in a solvent to form larger, purer postpolymers. Compositions of matter prepared using the subject method are also described.